

Aberdeen Proving Ground (APG) Science and Technology Board Meeting  
December 11, 2000

1. The APG Science and Technology board convened at 1:00 P.M. on December 11, 2000.

2. Attendees at the meeting were:

Mr. Brian Simmons	U.S. Army Developmental Test Command (USADTC)
Dr. Dave Brown	DTC
Mr. Warren Mullins	Northeastern Maryland Technology Council (NMTC)
Dr. Jim Savage	U.S. Army Soldier and Biological Chemical Command (USASBCCOM)
Dr. Erica Valdes	USASBCCOM
Ms. Angela Farenwald	USASBCCOM
Ms. Denise Carnaggio	Office of Economic Development (OED)
Dr. Jim LaCalle	Harford Community College (HCC)
Mr. Michael Dette	U.S. Army Environmental Center (AEC)
Mr. Rich Dimmick	U.S. Army Research Laboratory (ARL)
Mr. Mike Zwiebel	U.S. Army Aberdeen Test Center (ATC)
Mr. Dave Glenn	ATC
Ms. Katie McRoberts	U.S. Army Garrison Aberdeen Proving Ground (GAPG)
Dr. Tom Stadterman	U.S. Army Materiel Systems Analysis Activity (USAMSAA)
Mr. William Hughes	U.S. Army Evaluation Center (AEC)
Ms. Barbara Burgess	PM Chemical Demilitarization
Mr. Roy Albert	TRsG
Ms. Rita Savage	U.S. Army Ordnance Center and School (OCS)
Mr. Jack Martin	TRI-S
Mr. Stephen Clark	USADTC

3. Mr. Simmons opened the meeting at 1:00.

a. Mr. Mullins provided a briefing on NMTC. The next NMTC meeting will be December 14, 2000 at the HEAT Center. The agenda items include a briefing on Nanomaterials and the status of potential use by civilians of the Phillips Army Air Field. The annual NMTC meeting will be in January; the featured topic to be the renovation of the former Navy Bainbridge site.

b. Ms. Carnaggio briefed the marketing and publicity subcommittee report. stated that the marketing/publicity subgroup meets in January. The Office of Economic Development, and the APG BDO maintained booths at the Technology Showcase held at the Baltimore Convention Center Were at showcase with BDO December 6 and 7, 2000. The BDO pulled in a lot of people and made a lot of contacts. OED CD business cards, containing a lot of information on the BDO, were passed out and made a big hit. The OED is working with NMTC to promote the Johns Hopkins University (JHU) courses. An article in TECHWAY magazine, featuring the BDO, is being pursued. The OED provided a handout for advertising the Biotechnology Day at SBCCOM on January 25, 2001. These handouts were distributed at the Technology Showcase.

c. Dr. Lacalle provided a briefing on the higher education subgroup. The JHU Memorandum of Agreement (MOA) signing ceremony was a big success. Mr. Simmons provided a briefing on the tour that proceeded the MOA signing ceremony. Dean Ilene Busch Vishniac drove Bradley Fighting Vehicle, and was most impressed with the tours provided of ATC and ARL. Dr. LaCalle stated that 79 people attended MOA signing ceremony. He is very optimistic about this opportunity. This is a cooperative venture that is very good for Harford County. The JHU School of Hygiene and Public Health interested in bringing a graduate level program in Industrial Hygiene to the HEAT Center. HCC is pursuing an Information Technology program to the HEAT Center. The University of Phoenix shows promise.

c. Dr. Savage provided a briefing on the High Technology subgroup. Current initiatives worked on by the BDO are Biotechnology, Nanomaterials, and Physics of Failure. Various actions being worked by the subgroup and the BDO include: TEDCO is sponsoring a Biotechnology Industry day in the Edgewood Area of APG Jan 25, 2001. Two APG employees, Dupont Durst PhD.(ECBC) Ray Yin PhD (ARL) won Army Achievement Awards for their work in Nanomaterials. APG will host the September 2001 Mid-Atlantic Regional Nanomaterials Forum. Mr. Dimmick

to lead this initiative. Physics of Failure: Dr. Morton is the lead. Dr. Stadterman stated that money has been received for Physics of Failure (PoF) work. Will brief DCSLOG and assistant DCSLOG concerning funding. Future areas of Interest: Energetics Polled tenants with little feedback. ARL/ATC have prime action to see what interest in their areas. High technology training, automotive technologies, and environmental remediation are likely candidates for the next initiatives Mr. Simmons to look into environmental remediation with Mr. Guzewich (AEC) to determine requirements. Mr. Simmons suggests that we endorse environmental remediation as the next BDO initiative. Need to develop game plan for remediation. **ACTIONS: Will use the Biotechnology day on 25 Jan as the benchmark for the June 12/13, 2001 Technology/Industry event - Mr. Clark. Assure that DTC is part of the Physics of Failure effort - Mr. Clark.**

e. Dr. Valdes briefed ECBC Microland capabilities. This is a facility for Microscopy and Microanalysis. Capabilities include a laboratory for collaborative materials, biological composite characterization, surface analysis, and fine particle technology. The facilities are available for research or service work. A CRADA is in place with GEO-Centers to increase operational versatility. Have scanning electron microscopy, traditional, field emission, and cryogenic (wet samples). **ACTION: High education subcommittee to take action to set up a tour of MICROLAND and other facilities at Edgewood. Dean Ilene from JHU should tour facility - Dr. Lacalle.**

f. Mr. Clark provided a briefing on Technology/Industry Event planning meeting held in November. In lieu of an APG S&T Board meeting on January 22, 2001, a meeting of the directors/commanders of the APG technology related tenants would be held on that date to discuss tenant support for the technology/industry event. **ACTION: January 22, 2001 dedicated to the Technology/Industry Event planning committee meeting. Directors/Commanders of tenant technology related organizations to be invited to participate in meeting. Draft a letter to commander/directors requesting their attendance at the January 22, 2001 meeting - Mr. Clark.**

g. Mr. Albert provided a briefing on current APG BDO activity.

(1) Biotechnology Showcase will be held on January 25, 2001 includes TEDCO sponsorship. Four technology presentations, poster sessions, and two facility tours will be provided.

(2) Nanomaterials work at ARL is on hold pending direction by the ARL Director.

(3) Physics of Failure market research, as mandated by this Board, discovered several conferences and other opportunities to market capabilities.

(4) The BDO is working with the Gentex company; plans to organize tours (ARL, SBCCOM, AMSAA, ATC, Natick.) Visit made to Gentex, they have expressed a large interest in APG. Gentex is scheduled to visit in January 2001. Natick will visit also.

(5) Working with Science and Engineering Services-2<sup>nd</sup> proposal. Met with S&ES and ATC, ECBC personnel on testing micro lidar system. BDO sent a test proposal to S&ES for review and reply.

(6) Quick Med Technologies has signed a CRADA with MRICD (no cost). Patuxent NAS and ATC to jointly work on Stabilization Platform. ATC and the Boeing Corp. have agreed to do initial work that will be followed by possible future work.

(7) Booz, Allen, and Hamilton to partner with SBCCOM on the Domestic Preparedness Program.

(8) The NASA/DoD Outreach organization will attend the APG Biotech Showcase in January.

(9) Enviro-Industries, a TEDCO referral, requires a fire suppressant system for equipment shelters.

(10) NASA Goddard is interested in rapid prototyping capabilities; the APG BDO believes that they are interested in work at APG.

(11) Over 90 leads were followed up from the NASA Technology show in Seattle. Some indicated future work with APG.

(12) The BDO staffed a TEAM APG BDO exhibit at the Maryland Technology Showcase December 6 and 7, 2000 in Baltimore.

(13) ATC and the BDO visited Thiokol; the company is interested in CRADA and Test Contracts.

(14) The BDO met with Mr. Roger Thompson, OC&S, to discuss strategy for possible work for OC&S.

(15) Mr. Simmons tasked the BDO to capture sources and amounts of funding for each project.

**ACTIONS: Invite Mike Hayes to assist in Technology/Industry Event. The BDO must be part of the January 22, 2001 planning meeting - Mr. Clark. Include sources and amounts of funding for each developed project in BDO report to S&T Board - TRsG.**

h. Mr. Simmons provided a total for funding received from APG tenant organizations for support of the APG BDO. Future funding will be depending upon BDO success stories. **ACTION: The BDO will need to re-craft the briefing provided today and show organization and dollars received by organization. This is key to continued funding by tenant organizations - Mr. Clark.**

4. The meeting concluded at 3:00 P.M. The next APG S&T Board meeting commences at 1:00 on March 06, 2001 at the HEAT Center.

STEPHEN CLARK  
APG S&T Board Coordinator